

Upper Colonial Slurry AML Enhancement Rule Project

Hopkins County Project Description

The proposed Upper Colonial Slurry AML Enhancement Rule Project (7.6 acres total) consists of the removal of an existing coal refuse pile located near the community of Beulah in Hopkins County, Kentucky. The project is centrally located in the Coiltown Quadrangle at 37° 17' 49" latitude and 87° 38' 14" longitude (See attached map). The slurry impoundment is a potential source of pollution to the Clear Creek watershed, including wetlands and the creek.

The slurry will be transported to the Southern Illinois Power Cooperative, Marion, Illinois. Any waste or foreign material will be set aside and buried in the bottom of the excavated slurry impoundment. Access to the work area will be via a private road off of KY 70, approximately two (2) miles east of Beulah, KY. Dust will be controlled with water applied by a water truck. A pressure washer will be used to clean KY 70 if excess road material is tracked onto it. All slurry/refuse removal will occur between the hours of 6:00 a.m. and 6:00 p.m., Monday through Friday, unless an emergency warrants a change of scheduled work hours.

A sump will be excavated in the western most end of the slurry impoundment. The removal sequence will be from west to east. Removal will be accomplished using approximately 50 foot wide pits and will be done in five foot lifts. Cuts #1, #2, and #3 will have their first five foot lifts removed and then Cuts #1 and #2 will have their second lifts removed. Finally Cut#1 will have the bottom five foot lift removed leaving three distinct benches for Cuts #1 - #3. The mining will continue to advance with this three bench plan until mining is completed.

The slurry impoundment is in an area that has been recently logged for "pulp" wood. The area is almost void of any trees; however, there are trees over 5" in diameter that may need to be removed. Field inspections have revealed no seepage from the slurry impoundment. If conditions indicate a potential for water release during removal operations, water will be released in a controlled manner and allowed to bleed off slowly. Sediment structures will be constructed in accordance with DAML design templates, and will remain in place until all disturbed areas have established vegetative cover. The work progression will ensure that run off passes through sediment structures before leaving the project area. No equipment will be operated within a local stream channel(s) without the Division of Water and / or U.S. Corps of Engineers approval.

The project site will be vegetated in accordance with a DAML vegetation plan as soon as possible after removal has commenced. Disturbed areas will be scarified, limed, top-soiled, seeded, and mulched. Top soil may be borrowed from on-site locations in order to establish vegetative cover. The entire work area will be graded to a stable configuration. DAML will plant trees on the reclaimed site as its contribution to the project.

This project will include pre- and/or post- project maintenance and repair of existing previously constructed public county roads utilized during the construction of this project, which are administered by the county or local road authority. This construction activity will be conducted under the authority and supervision of the local public road authority and will consist of standard road construction practices appropriate to mitigate impacts to the local community from potential degraded road conditions in order to maintain public traffic safety.